

MULTI-LAYER ELECTRODE DEVICE ON SLIDER FOR
ELECTROSTATIC FLY HEIGHT ADJUSTMENT

ABSTRACT OF THE DISCLOSURE

In an electrostatic actuator used to control fly height between a magnetic disc and a read/write head of a disc drive, a multi-layer electrode device is used. The multi-layer electrode device includes alternating insulating layers and conductive electrode layers. By controlling the material properties of each layer of the electrode device, problems associated with leakage current, field emission discharge, tunneling current, and slow actuator response time can be controlled.